

# INTERFERENCE SEARCH 09/928,848

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 9    | 703/15.cds.and ((mark\$3 index\$3 tag\$3) with (clock\$3 time step)).clm. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:55 |
| L2    | 7    | 703/15.cds.and (partition\$3 with (clock\$3 time step)).clm.              | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:46 |
| L3    | 19   | 703/13.cds.and ((mark\$3 index\$3 tag\$3) with (clock\$3 time step)).clm. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:50 |
| L4    | 4    | 703/13.cds.and (partition\$3 with (clock\$3 time step)).clm.              | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:46 |
| L5    | 9    | 703/13.cds.and ((marker tag) augment\$4 with time\$4).clm.                | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:51 |
| L6    | 0    | 703/13.cds.and ((marker tag) with augment\$4 with time\$4).clm.           | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:51 |
| L7    | 0    | 703/15.cds.and ((marker tag) with augment\$4 with time\$4).clm.           | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:51 |
| L8    | 0    | 703/14.cds.and ((marker tag) with augment\$4 with time\$4).clm.           | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/14 11:52 |

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| L9  | 12 | 716/7.cds.and ((mark\$3 index\$3 tag\$3) with (clock\$3 time step)).clm.        | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 11:52 |
| L10 | 16 | 716/18.cds.and ((mark\$3 index\$3 tag\$3) with (clock\$3 time step)).clm.       | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 11:54 |
| L11 | 0  | 703/13-15.cds.and (symbolic with equation\$2 with input\$3 with output\$3).clm. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 11:56 |
| L12 | 1  | 703/13-15.cds.and (symbolic with equation\$2).clm.                              | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:07 |
| L13 | 1  | 703/13-15.cds.and (symbolic with (equation\$2 notation form)).clm.              | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:04 |
| L14 | 4  | 716/7,18.cds.and (symbolic with (equation\$2 notation form)).clm.               | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 11:58 |
| L15 | 30 | 716/7,18.cds.and ((proof verification verify) with functional\$4).clm.          | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:03 |
| L16 | 25 | 703/13-15.cds.and ((proof verification verify) with functional\$4).clm.         | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:02 |

|     |   |   |   |    |     |                  |
|-----|---|---|---|----|-----|------------------|
| L17 | 0 | 703/13-15.cds.and (compil\$6 with gate\$2 with (proof verification verify) with functional\$4).cim. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:02 |
| L18 | 1 | 716/7,18.cds.and (compil\$6 with gate\$2 with (proof verification verify) with functional\$4).cim.  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:05 |
| L19 | 7 | 716/7,18.cds.and (compil\$6 with gate\$2).cim.  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:03 |
| L20 | 0 | 703/13-15.cds.and (symbolic with (marker tag index)).cim.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:04 |
| L21 | 1 | 716/7,18.cds.and (symbolic with (marker tag index)).cim.  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:08 |
| L22 | 2 | 716/7,18.cds.and (behavioral with symbolic).cim.  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:07 |
| L23 | 0 | 703/13-15.cds.and (behavioral with symbolic).cim.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:07 |
| L24 | 0 | 703/13-15.cds.and (behavioral with partition\$4 with mark\$2).cim.                                  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:07 |

|     |   |  |   |    |     |                  |
|-----|---|--|---|----|-----|------------------|
| L25 | 0 | 703/13-15.cds.and (behavioral with partition\$4 with mark\$3).cim. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:07 |
| L26 | 1 | 716/7,18.cds.and (behavioral with partition\$4 with mark\$3).cim.  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/14 12:08 |

# EAST SEARCH

| Ref # | Hits | Search Query                             | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 2    | "6077303".pn.                            | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/07/12 16:21 |
| S2    | 2    | "6757884".pn.                            | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/01/14 10:49 |
| S3    | 1221 | behavioral and (RTL or HDL)              | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/01/13 11:48 |
| S4    | 951  | S3 and (simulat\$ or (design same tool)) | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/01/13 11:50 |
| S5    | 170  | S3 and (behavioral adj model\$)          | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/01/13 11:52 |
| S6    | 44   | S3 and (behavioral).ti.                  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/01/14 09:29 |
| S7    | 3901 | z with transform                         | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/01/14 09:30 |

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S8  | 97  | ("5222030" "5426591" "5493508"<br>"5526277" "5541849" "5544066"<br>"5553002" "5557531" "5572436"<br>"5598344" "5764525" "5812417"<br>"5870308" "5880971" "5910897"<br>"5940779" "6216252" "6216252"<br>"6324678" "6470482" "5933356"<br>"6083269" "5519627" "5537580"<br>"5634115" "5841967" "5867395"<br>"5892682" "5912819" "6026228"<br>"6058492" "6148436" "6182268"<br>"6237007" "6334207" "6397341"<br>"6415420" "6557160" "6601024"<br>"5544067" "5555201" "5623418"<br>"5801958" "5867399" "5504690"<br>"5701443" "6195593" "5572437"<br>"5258919" "5299137").pn. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 09:45 |
| S9  | 102 | ("5404319" "5428550" "5491640"<br>"5557532" "5566079" "5572712"<br>"5638291" "5706205" "5726902"<br>"5841663" "5953236" "5960184"<br>"5966534" "5974245" "6120549"<br>"6233540" "6314553" "6360355"<br>"6438739" "6477689" "6539537"<br>"6581191" "6606734" "6618839"<br>"6687894" "6718520" "6754879"<br>"6823497" "6832363" "4995079"<br>"6044211" "5764534" "5812431"<br>"5899785" "5949992" "6298472"<br>"6477698" "6813201" "4312878"<br>"4931032" "4959922" "5207580"<br>"5310027" "5450057" "5517658"<br>"5725381" "5730086" "5803391"<br>"6047311" "6152081").pn. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 09:46 |
| S10 | 56  | (S8 or S9) and partition\$  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 09:46 |
| S11 | 14  | symbolic same expression same transform   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 11:15 |
| S12 | 563 | rostopper.in.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 11:16 |

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S13 | 220  | michael.in. and S12  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 15:25 |
| S14 | 0    | partitioning adj2 logic adj2 synthesis   | IBM_TDB   | OR | OFF | 2005/01/14 11:46 |
| S15 | 6    | partitioning same synthesis  | IBM_TDB   | OR | OFF | 2005/01/18 12:28 |
| S19 | 23   | (partition and (marker or tag or boundary))ti.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 12:49 |
| S22 | 2    | "6697773".pn.  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14 14:50 |
| S23 | 16   | ("5490266"   "5513118"   "5519627"   "5623418"   "5673198"   "5848236"   "5870608"   "5920711"   "5937190"   "5991533"   "6044211"   "6173241"   "6212650"   "6269467"   "6317860"   "6421808").PN. OR ("6697773").URPN. | US-PGRUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/14 15:08 |
| S24 | 47   | partition\$ adj behavioral   | US-PGRUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/14 15:09 |
| S25 | 1083 | Synopsys   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 10:48 |
| S26 | 160  | S25 and partition  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 15:16 |
| S27 | 10   | S25 and partition\$.ti.  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 10:49 |

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S30 | 4    | "numeric C Code"                                | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 12:43 |
| S31 | 8    | ("5105373" "5404319" "5408638" "5410719").pn.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 12:44 |
| S32 | 49   | (partition\$3 and (marker\$3 or tag\$3)).ti.    | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 12:53 |
| S33 | 23   | (partition and (marker or tag or boundary)).ti. | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 12:58 |
| S34 | 26   | S32 not S33                                     | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 12:53 |
| S35 | 2    | "5764525".pn.                                   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 12:59 |
| S37 | 1083 | Synopsys  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 13:39 |
| S38 | 160  | S37 and partition                               | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 13:39 |

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S39 | 28  | S38 and (behavioral same partition)     | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 13:44 |
| S42 | 20  | 07/507,201                              | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 13:46 |
| S43 | 2   | "5222030".pn.                           | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 18:21 |
| S45 | 111 | (S38 and behavior\$)                    | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 15:22 |
| S46 | 563 | rostoker.in.                            | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 15:26 |
| S47 | 220 | michael.in. and S46                     | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 15:26 |
| S49 | 9   | S47 and (partition\$3 same behaviorA&3) | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 09:49 |
| S50 | 4   | ("6134705" "6745375").pn.               | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/18 18:31 |

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S51 | 2    | ("6757884").pn.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/27 15:47 |
| S52 | 48   | verification same RTL same C  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 10:04 |
| S54 | 13   | verification same RTL same (C with model)                                 | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 10:05 |
| S55 | 95   | HDL and (verification same (C with model))                                | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 10:07 |
| S56 | 144  | (symbolic with C) and (numeral\$ with C)                                  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 10:06 |
| S57 | 46   | S56 and (verification or verify or debug\$)                               | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 11:42 |
| S58 | 2553 | (functional\$ with (verification or verify)) and (HDL or RTL or hardware) | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 11:43 |
| S59 | 602  | (functional\$ with (verification or verify)) and (HDL or RTL)             | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:15 |

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S60 | 3   | S59 and S56  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 11:44 |
| S61 | 3   | behavioral same symbolic adj<br>equation\$   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:16 |
| S62 | 76  | behavioral same symbolic   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:16 |
| S63 | 73  | S62 not S61  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:16 |
| S65 | 18  | (US-20040167764-\$ or<br>US-20040111692-\$).did. or<br>(US-5544067-\$ or US-6745160-\$ or<br>US-5933356-\$ or US-6026219-\$ or<br>US-6424962-\$ or US-5557531-\$ or<br>US-5222030-\$ or US-5541849-\$ or<br>US-5544066-\$ or US-5572437-\$ or<br>US-5867399-\$ or US-5870308-\$ or<br>US-6477698-\$ or US-5526277-\$ or<br>US-6470482-\$).did. or<br>(US-20040064794-\$).did.<br>behavioral and symbolic | US-PGRUB;<br>USPAT;<br>DERWENT                                    | OR | OFF | 2005/01/19 13:18 |
| S66 | 579 |  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:19 |
| S68 | 13  | S66 and S65  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:18 |
| S69 | 12  | S62 and S65  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/19 13:19 |

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S70 | 563 | rostoker.in.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 09:49 |
| S71 | 220 | michael.in. and S70  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 09:49 |
| S72 | 9   | S71 and (partition\$3 same.<br>behaviorA\$3)   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 09:49 |
| S73 | 9   | S72 and (theorem adj prover)   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/21 09:50 |
| S74 | 54  | hdl same count same time   | US-PGRUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/24 11:45 |
| S76 | 10  | ("20020083420"   "20020161564"  <br>"4760330"   "5974241"   "6134516"<br>  "6339837"   "6389379"  <br>"6487704"   "6498999"  <br>"6513143").PN. OR ("6701494").<br>URPN. | US-PGRUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/21 15:57 |
| S78 | 76  | verification same C same HDL   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 09:57 |
| S79 | 144 | (symbolic with C) and (nume\$ with<br>C)   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 10:07 |
| S80 | 17  | S79 and HDL  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/24 10:07 |

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S81 | 353 | GARBOWSKI.xa.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/24 11:45 |
| S82 | 55  | S81 and HDL   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/24 12:04 |
| S83 | 5   | S82 and (marker or tag)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/24 11:53 |
| S84 | 2   | S82 and index   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/24 11:55 |
| S85 | 60  | HDL same time same index\$3   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/01/24 11:56 |
| S88 | 3   | ("6701494" "6691079" "6513143").<br>pn.   | USPAT   | OR | OFF | 2005/05/27 15:22 |
| S89 | 270 | time with index with marker   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/27 15:56 |
| S90 | 2   | S89 and (RTL or HDL or (hardware<br>adj2 descrip\$6 adj2 language))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/27 15:48 |
| S91 | 36  | S89 and (hardware)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/27 15:49 |
| S92 | 73  | S89 and (simulat\$4 emulat\$4<br>model\$4 virtual\$6)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/27 15:50 |
| S93 | 10  | ("20020083420"   "20020161564"  <br>"4760330"   "5974241"   "6134516"<br>  "6339837"   "6389379"  <br>"6487704"   "6498999"  <br>"6513143").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/05/27 15:50 |

|          |        |   |   |    |    |                  |
|----------|--------|---|---|----|----|------------------|
| S94      | 102978 | (time with (index marker tag))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 15:57 |
| S95      | 770    | S94 and (RTL or HDL or (hardware<br>adj2 descrip\$6 adj2 language)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 15:57 |
| S96      | 158    | S95 and (partition\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 16:42 |
| S97      | 0      | compiler with directive with time<br>with tag                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 16:42 |
| S98      | 1      | (compiler with directive with tag)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 16:43 |
| S99      | 78979  | time with index\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 16:49 |
| S10<br>0 | 595    | S99 and directive   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 16:44 |
| S10<br>1 | 140    | S96 and (simulat\$4 emulat\$4<br>model\$4 virtual\$6)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/05/27 16:44 |

|          |       |   |   |    |     |                  |
|----------|-------|---|---|----|-----|------------------|
| S10<br>3 | 24543 | S99 and (simulat\$4 emulat\$4 model\$4 virtual\$6)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 16:44 |
| S10<br>4 | 121   | times\$2 with Index\$4 with (break\$point partition)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 17:19 |
| S10<br>5 | 417   | times\$2 with Index\$4 with (marker)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 17:19 |
| S10<br>6 | 5     | S105 and (HDL RTL behavioral)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 17:21 |
| S10<br>7 | 1     | S105 and (netlist)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 17:21 |
| S10<br>8 | 228   | S105 and (circuit)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 17:21 |
| S10<br>9 | 53    | S105 and (circuit with (design\$6 simulat\$4 emulat\$4 model\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/05/27 17:22 |
| S11<br>0 | 2     | ("6077303") URPN.   | USPAT   | OR | OFF | 2005/05/27 17:29 |
| S11<br>1 | 0     | (behavioral HDL) same (partition with (time adj step))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/13 15:42 |

|          |     |  |   |    |     |                  |
|----------|-----|--|---|----|-----|------------------|
| S11<br>2 | 0   | (behavioral HDL) same (partition\$ with (time adj step)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/13 15:43 |
| S11<br>3 | 89  | (behavioral HDL) same ((time adj\$6 step))               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/13 15:45 |
| S11<br>4 | 296 | (behavioral HDL) same ((time with step))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/13 15:45 |
| S11<br>5 | 69  | S114 and partition\$6                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/13 16:41 |
| S11<br>6 | 624 | ((Finite adj Impulse adj Response) FIR) and symbolic     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/13 16:49 |
| S11<br>7 | 276 | S116 and (simulat\$4 model\$4)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/06/14 09:48 |
| S12<br>0 | 0   | FIR with (HDL verilog vhd) with symbolic                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 09:59 |
| S12<br>4 | 2   | "6077303".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 10:16 |



|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S12<br>5 | 582  | behavior\$4 and (symbolic with<br>(equation form notation))               | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 10:17 |
| S12<br>6 | 34   | behavior\$4 same (symbolic with<br>(equation form notation))              | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 10:17 |
| S12<br>7 | 3    | behavioral same (symbolic with<br>(equation form notation))               | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/06/14 10:17 |
| S12<br>8 | 4    | ("5764525"   "6077303"   "6275981"<br>  "6477683").PN.                    | US-PGRUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/06/14 10:54 |
| S12<br>9 | 1137 | 716/6.cdis.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/01 11:33 |
| S13<br>0 | 507  | 716/7.cdis.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/01 11:33 |
| S13<br>1 | 129  | S130 and behavior\$4  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/01 14:30 |
| S13<br>2 | 507  | 716/7.cdis.   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/01 14:31 |
| S13<br>3 | 87   | S132 and behavior\$4 and (partition<br>break) and (tag index marker step) | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/01 14:31 |

|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S13<br>4 | 80   | S132 and behavior\$4 and (partition)<br>and (tag index marker step) | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/01 14:31 |
| S13<br>5 | 18   | S132 and behavior\$4 and (partition)<br>and (tag index marker)      | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/11 15:25 |
| S13<br>6 | 659  | behavior with partition\$4  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/07/11 15:25 |
| S13<br>7 | 7    | "z-domain" and (behavior\$ adj<br>(model\$4 simulat\$4))            | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/12 16:24 |
| S13<br>8 | 16   | milestone and behavioral and \$hdl                                  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/12 16:26 |
| S13<br>9 | 13   | "z-transform" and behavioral and<br>model\$4                        | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/12 16:29 |
| S14<br>0 | 3671 | bipartite   | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/12 16:29 |
| S14<br>1 | 10   | bipartite and behavioral with<br>model\$4                           | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 10:40 |

|          |      |  |   |    |     |                  |
|----------|------|--|---|----|-----|------------------|
| S14<br>2 | 635  | symbol\$4 and (embedd\$5 with clock)                 | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 17:59 |
| S14<br>3 | 26   | symbol\$4 with (embedd\$5 with clock)                | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 10:41 |
| S14<br>4 | 51   | marker with clock with index                         | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 18:03 |
| S14<br>5 | 9    | marker with clock with simulat\$4                    | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 18:02 |
| S14<br>6 | 2724 | simulat\$4 with index\$4                             | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 18:03 |
| S14<br>7 | 14   | simulat\$4 with index\$4 with marker                 | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 18:04 |
| S14<br>8 | 19   | simulat\$4 with index\$4 with clock                  | US-PGRUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/13 18:04 |
| S14<br>9 | 578  | 703/14.ccls.   | USPAT   | OR | OFF | 2005/07/13 19:14 |
| S15<br>0 | 170  | 703/19.ccls.   | USPAT   | OR | OFF | 2005/07/13 19:10 |
| S15<br>1 | 307  | 703/15.ccls.   | USPAT   | OR | OFF | 2005/07/13 19:10 |
| S15<br>2 | 67   | S149 and ((clock time step) same (marker tag index)) | USPAT   | OR | ON  | 2005/07/13 19:23 |

|          |     |  |       |    |     |                  |
|----------|-----|--|-------|----|-----|------------------|
| S15<br>3 | 17  | S150 and ((clock time step) same (marker tag index)) | USPAT | OR | ON  | 2005/07/13 19:25 |
| S15<br>4 | 43  | S151 and ((clock time step) same (marker tag index)) | USPAT | OR | ON  | 2005/07/13 19:29 |
| S15<br>5 | 662 | 716/18.ccls.   | USPAT | OR | OFF | 2005/07/14 10:10 |
| S15<br>6 | 57  | S155 and ((clock time step) same (marker tag index)) | USPAT | OR | OFF | 2005/07/14 10:11 |